



Confirmation of Product Type Approval

Company Name: LORD CORPORTATION

Address: 124 GRANT STREET PA 16403 United States

Product: Drilling Equipment (Telescopic Joint)

Model(s): J-28579-1, J-28688-1, J-28576-1

| Certificate Type | Certificate Number | Issue Date | Expiry Date |
|---------------------------------|---------------------------|-------------------|--------------------|
| Product Design Assessment (PDA) | 19-HS1823856-PDA | 07-FEB-2019 | 05-FEB-2024 |
| Manufacturing Assessment (MA) | 19-C3704430 | 02-AUG-2019 | 01-AUG-2024 |
| Product Quality Assurance (PQA) | NA | NA | NA |

Tier

2

Intended Service

Offshore Oil & Gas Applications.

Description

Telescopic joint Packers. The packers seal the annular space between the inner and outer barrels of the telescopic joint.

Ratings

Maximum Bore Pressure: 500 psi

Service Restrictions

Unit Certification is not required for this product.

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. Packers are to be hydrostatically as per API 16F, 2nd Edition section 11.3.3 upon assembly of the Telescopic Joint.

Notes, Drawings and Documentation

Drawing No. J-28576-1_Certification Plan, Certification Plan for LORD Split Telescopic Joint Packer, Revision: -

Drawing No. J-28576-1, Kit, Packer Element, Revision: G

Drawing No. J-28576-1_ITP, ITP, Revision: 00

Drawing No. J-28576-1_Test Results, Test Results, Revision: -

Drawing No. J-28579-1_Certification Plan, Certification Plan for LORD Split Telescopic Joint Packer, Revision: B

Drawing No. J-28579-1_Drawing, Kit, TJ Split Packer, Inner, 21" Barrel, Revision: B

Drawing No. J-28579-1_ITP, ITP, Revision: -

Drawing No. J-28579-1_Test Results, Test Results, Revision: -

Drawing No. J-28688-1_Certification Plan, Certification Plan for LORD Split Telescopic Joint Packer, Revision: -

Drawing No. J-28688-1_Drawing, Kit, Split Inner Packer, Revision: B

Drawing No. J-28688-1_ITP, ITP, Revision: -

Drawing No. J-28688-1_Test Results, Test Results, Revision: -

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 05/Feb/2024 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

Rules for Conditions of Classification, Part 1 – 2019 Marine Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4

Rules for Conditions of Classification, Part 1 – 2019 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3

2018 Guide for the Classification of Drilling Systems 2-3/7

International Standards

NA

EU-MED Standards

NA

National Standards

API 16F Spec for Marine Drilling Riser Equipment 2nd ed.

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "Joseph W. ...".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 04-Dec-2019 12:47

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.